

Title (en)

GROUP COMMUNICATIONS OVER EVOLVED MULTIMEDIA BROADCAST/MULTICAST SERVICES

Title (de)

GRUPPENKOMMUNIKATION ÜBER ENTWICKELTE MULTIMEDIA-BROADCAST/MULTICAST-DIENSTE

Title (fr)

COMMUNICATIONS DE GROUPE SUR SERVICES DE DIFFUSION/MULTIDIFFUSION MULTIMÉDIA ÉVOLUÉS

Publication

EP 2716123 B1 20200603 (EN)

Application

EP 12726995 A 20120531

Priority

- US 201161491815 P 20110531
- US 201213483679 A 20120530
- US 2012040172 W 20120531

Abstract (en)

[origin: WO2012166893A1] The application relates to group communications over multimedia broadcast-multicast services MBMS. E-MBMS services can be used to distribute multicast data to groups and could be useful in group communication systems. However, in conventional E-MBMS services, the time to establish a new flow is on the order of 10 seconds. This latency is unacceptable for high performance group communication systems, such as a push to talk system that requires less than 1 second from the call initiation from the originator to the granting of the floor to at least one group member. This problem is solved in that a multicast flow is pre-reserved for the media flow in such a way that it can be quickly established. Furthermore, another multicast flow, which is "always-on", is used as a sort of application layer paging flow in order to indicate activity on the media flow. The user equipment monitors the paging flow (Multicast flow #1) regarding activity of a group communication (Call Announcement) and upon receipt of a call announce message, switches to the corresponding media flow (Multicast flow #2).

IPC 8 full level

H04W 4/06 (2009.01)

CPC (source: EP KR US)

H04W 4/06 (2013.01 - EP KR US); **H04W 72/04** (2013.01 - KR); **H04W 76/00** (2013.01 - KR); **H04W 76/40** (2018.01 - EP US)

Citation (examination)

ALCATEL-LUCENT: "eMBMS Architecture: Alternatives for Allocation of MCE Function and Requirements on O&M", 3GPP DRAFT; R3-071240 ALLOCATION OF MCE AND REQUIREMENTS ON O&M, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. TSG CN, no. Sophia; 20070606, 6 June 2007 (2007-06-06), XP050020533

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